

**Report**

**BUILDING SURVEY FOR  
ASBESTOS CONTAINING MATERIALS**



**Subject Property:** Apartment House

**Address:** 218 West Henry Street  
Elmira, New York

**Date of Survey:** September 17, 2016

**Prepared by:** Atlantic Environmental Consulting  
3725 Alpine Drive  
Endwell, NY 13760



# CONTENTS

<b>I. Executive Summary</b> .....	3
A. Overview .....	3
B. Significant Findings.....	3
<b>II. General Information</b> .....	5
A. Description of Structure .....	5
B. Purpose of Survey .....	5
C. General Procedure .....	6
D. Limits of Survey.....	7
<b>III. Asbestos Survey Procedures</b> .....	7
A. Inspection & Sampling .....	7
B. Laboratory Testing .....	8
<b>IV. Findings</b> .....	8
A. Laboratory Results .....	8
B. Summary of Findings.....	8
C. Transmittal of Survey Information .....	9
<b>V. Recommendations</b> .....	10

## TABLES – FIGURES

Table 1 -- Asbestos Survey Results  
Table 2 – Summary of Homogeneous Areas

Figure 1 -- Site Location Map  
Figure 2 -- Building and Sampling Diagram

Photos

## APPENDICES

Appendix A - Laboratory Analytical Data  
Appendix B - Inspector & Laboratory Accreditation  
Appendix C - Glossary Of Terms, Abbreviations, And Acronyms

## I. Executive Summary

This Section is a summary only and the user must refer to the entire contents of this report including Appendices.

### A. Project Background

Project Background		
Purpose of Survey:	Pre-demolition	
Asbestos Survey Contractor:	Atlantic Environmental Consulting	
Date of Survey:	September 17, 2016	
Inspector(s):	Matthew Weintraub	Stephen Major
NYS DOL Certificate(s):	93-10084	03-01809
Client:	J. B. Evans & Sons	
Site Name:	Apartment House	
Site Address:	218 West Henry Street, Elmira, New York	
Brief Building Description:	The subject structure is a large two story apartment house	
Property Owner:	Jodie R. Buck	
Owner Mailing Address:	Not provided	
Occupancy:	Occupied	

This building survey was performed on the subject building as part of the requirements for demolition and/or renovation under the New York State Department of Labor (NYS DOL) Industrial Code Rule 56, to determine if asbestos containing materials (ACMs) were used to build the structure. Suspect building materials were categorized into homogeneous areas and then inspected and sampled in order to be identified as ACMs or non-asbestos containing materials (NACMs).

### B. Significant Findings

The findings of this asbestos survey are listed below. Additional details are presented in **Section IV**.

**The following materials were found to contain asbestos in concentrations greater than 1%:**

**Friable ACMs**

- **Friable air-cell thermal system insulation** on pipes in the basement and crawl space (approximately 40 linear feet observed; additional TSI may exist in hidden cavities within the structure).
- **Friable joint compound** on drywall surfaces throughout the building (approximately 5,000 square feet).

**Non-Friable ACMs**

- **Non-friable green vinyl flooring** in the second floor kitchen (approximately 180 square feet).
- **Non-friable green vinyl flooring** in the first floor kitchen (approximately 330 square feet).
- **Non-friable silver asphaltic coating** on metal roofs on the right side of the building (approximately 60 square feet).

**Non-Friable Cementitious ACMs**

- **Non-friable cementitious siding (Transite)** on the exterior house walls (approximately 4,000 square feet).
- 
- **Non-friable cementitious siding (Transite)** on the exterior barn walls (approximately 2,500 square feet).

This Section is a summary only and the user must refer to the entire contents of this report including Appendices.

## II. General Information

### A. Description of Structure

Description of Structure	
Number of Stories:	Two stories
Superstructure:	Wood framed
Foundation:	Basement and crawl space
Roofing:	Asphaltic, metal
Exterior Walls / Siding:	Aluminum, cementitious
Interior Floors:	Resilient flooring, carpet
Interior Walls:	Drywall, plaster
Interior Ceilings:	Drywall, plaster, grid ceiling
Heating System:	Hydronic
Heating Plant Location:	Basement
Other Features:	N/A
Outbuildings:	A detached storage barn is included in this survey

### B. Purpose of Survey

This survey was conducted in order to determine whether asbestos-containing materials (ACMs) and/or asbestos materials are present in the structure. Asbestos can cause debilitating or fatal illnesses. When disturbed, as during demolition or renovation activities, asbestos fibers can become airborne whereupon they can create a health hazard. ACMs and asbestos materials in buildings, and the disturbance of same, are regulated under federal, state, and local laws.

As part of asbestos surveys, suspect ACMs are identified and, where appropriate, sampled for analysis by an accredited laboratory. The suspect materials are also grouped into two categories: friable (able to be crushed or pulverized by hand pressure) and non-friable. Materials that are typically non-friable in their normal state, such as asphalt roofing or resilient floor tile, may become friable when subjected to mechanical abrasion activities (e.g. dry cutting or floor sanding). The physical disintegration of the material could cause asbestos fibers to be dispersed into the air.

### C. General Procedure

Suspect ACMs are targeted for identification by (1) a review of pertinent building plans and other records, where available, and (2) by the sampling of suspect materials for certified laboratory analysis.

The following list (excerpted from 12NYCRR Part 56-5) summarizes typical ACMs and suspect materials in buildings; it is not all-inclusive:

<b>Typical ACMs / Suspect Materials</b>	
<b>Surfacing Treatments:</b>	
• Fireproofing	• Finish plasters
• Acoustical plaster	• Skim coats of joint compound
<b>Thermal System Insulation:</b>	
• Equipment insulation	• Cement or mortar used for boilers & refractory brick
• Boiler breeching, rope, duct, or tank insulation	• Piping and fitting insulations
<b>Roofing and Siding Miscellaneous Materials:</b>	
• Insulation board	• Cementitious board (transite)
• Vapor barriers	• Flashing
• Coatings	• Shingles
• Non-metallic or non-wood roof decking	• Galbestos
• Felts	
<b>Other Miscellaneous Materials:</b>	
• Dust and debris	• Fire blankets
• Floor tile	• Fire doors
• Cove base	• Brakes and clutches
• Floor leveler compound	• Mastics, adhesives and glues
• Ceiling tile	• Caulks
• Vermiculite insulation	• Sheet flooring (linoleum)
• Gaskets, seals, sealants	• Wallpaper
• Vibration isolators	• Drywall
• Laboratory tables and hoods	• Plasterboard
• Chalkboards	• Spackling/joint compound
• Pipe penetration packing / firestopping materials	• Textured paint
• Cementitious board	• Grout
• Electrical wire insulation	• Glazing compound
• Fire curtains	• Terrazzo

## D. Limits of Survey

It is the belief of the inspector that the survey was comprehensive in nature. However, certain materials could exist within the survey area that were not exposed even though destructive techniques were authorized. Accessible areas were visually inspected and covering surfaces were removed as safety concerns and the limits of the survey permitted.

The building was occupied and furnished at the time of inspection. As such, sampling was planned in such a way as to be to be minimally obtrusive to the occupants. Certain surfaces and materials may have been obscured, inaccessible, or otherwise unable to be sampled in an occupied environment. Additional destructive sampling may be required prior to demolition.

The described locations of ACMs may not be all-inclusive.

Quantities of ACMs are estimated and are not intended to be used for abatement project bidding/pricing. The abatement contractor, project designer, and others are advised to verify all site parameters including material quantities.

## III. Asbestos Survey Procedures

### A. Inspection & Sampling

The physical inspection of the property was conducted on September 17, 2016. The inspection consisted of the examination of accessible suspect materials (which may contain asbestos) in interior and exterior installations within the structure, in accordance with 12NYCRR Part 56-1.9.

**Asbestos records:** No records were provided that indicate the presence of ACMs in the building.

The structure was visually inspected to identify potential ACMs. The inspector assessed each suspect material to determine whether the material was friable or non-friable. Quantities and condition of suspect ACMs were recorded.

The suspect materials in this inspection were flooring, drywall, joint compound, plaster, ceiling tiles, window glazing compound, roofing, parging, siding, felts, and thermal system insulation.

A total of 76 samples were collected and submitted for analysis.

Certain building materials that were obviously not ACMs, such as wood, concrete, glass, and metal, were not sampled.

## B. Laboratory Testing

Collected samples were sealed for transport under chain-of-custody documentation to EMSL Laboratories in New York, NY, NYS ELAP #11506. Samples were received at the laboratory on September 21, 2016. The analytical data were received from the laboratory on September 26, 2016. A copy of the laboratory's certification is included in Appendix B.

Either Polarized Light Microscopy (PLM) with Dispersion Staining or Gravimetric Matrix Reduction and PLM with Transmission Electron Microscopy (TEM), used for negative confirmation, were performed. Non-friable organically bound samples (NOBs) such as vinyl floor tile or asphalt-based roofing material are required, in NYS, to be analyzed utilizing gravimetric reduction protocols. NOB samples testing negative under the PLM portion of this examination underwent TEM analysis.

Multiple samples were taken of most homogeneous suspect materials. In order to minimize analytical costs the laboratory was instructed to forego additional analyses if and when one sample of a multiple homogeneous group or a layered system tested positive (positive stop).

## IV. Findings

### A. Laboratory Results

The laboratory analytical results are attached as Appendix A.

### B. Summary of Findings

**The following materials were found to contain asbestos in concentrations greater than 1%:**

#### Friable ACMs

- **Friable air-cell thermal system insulation** on pipes in the basement and crawl space (approximately 40 linear feet observed; additional TSI may exist in hidden cavities within the structure).
- **Friable joint compound** on drywall surfaces throughout the building (approximately 5,000 square feet).

#### Non-Friable ACMs

- **Non-friable green vinyl flooring** in the second floor kitchen (approximately 180 square feet).

- **Non-friable green vinyl flooring** in the first floor kitchen (approximately 330 square feet).
- **Non-friable silver asphaltic coating** on metal roofs on the right side of the building (approximately 60 square feet).

#### **Non-Friable Cementitious ACMs**

- **Non-friable cementitious siding (Transite)** on the exterior house walls (approximately 4,000 square feet).
- **Non-friable cementitious siding (Transite)** on the exterior barn walls (approximately 2,500 square feet).

#### **Survey Data**

Survey data, including sampling locations, material descriptions, friability, condition, estimated quantities of ACM (if any), and asbestos content are summarized in **Table 1**.

#### **Homogeneous Areas**

Homogeneous areas of ACM and non-ACM materials are summarized in **Table 2**.

#### **Building Diagrams**

Diagrams of the building showing locations of positive and negative samples are presented in **Figure 2**.

Photos of ACM are in the *Photos* section after Figure 2.

### **C. Transmittal of Survey Information**

In accordance with 12NYCRR Part 56, the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

1. "One copy of the completed asbestos survey shall be sent by the owner or their agent to the local government entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under applicable State or local laws."
2. "The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall also be submitted to the appropriate Asbestos Control Bureau District Office." *The local New York State Asbestos Control Bureau District Office is provided below.*

3. "The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project."

**SYRACUSE DISTRICT**

*(Counties: Allegany, Broome, Cayuga, Chemung, Chenango, Cortland, Delaware, Franklin, Hamilton, Herkimer, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, Otsego, St. Lawrence, Schuyler, Seneca, Steuben, Tioga, Tompkins)*

- 450 S. Salina Street, Syracuse, NY 13202; (315) 479-3215

**V. Recommendations**

Prior to demolition, asbestos containing materials should be removed in accordance with 12NYCRR Part 56.

If hidden or otherwise suspect ACMs are discovered during demolition activities (or within the debris pile) they should be sampled and analyzed according to the procedures herein, and the scope of the demolition or removal altered as necessary based on the findings.

This survey report should be filed by the building owner with the appropriate governmental agencies, as noted in Section IV.C of this report. The inspector will retain a copy of this report in accordance with 12 NYCRR Part 56. Questions related to this survey should be directed to the Inspector at 607-239-4311.

Respectfully Submitted,  
ATLANTIC ENVIRONMENTAL CONSULTING, LLC



Matthew Weintraub  
N.Y. Asbestos Inspector No. 93-10084



Stephen Major  
N.Y. Asbestos Inspector No. 03-01809

## Tables

**Table 1 - Summary of Results**

Date	Atlantic Sample #	Layer	Diagram location number	Building area	Location (refer to diagrams)	Suspect material	Friability	Condition of Friable		Estimated Quantity of Homogeneous	
								ACM	H.A.	ACM	% asbestos
9/17/16	I1716-301	n/a	1	2FL	Kitchen	Green vinyl flooring	Non-friable	n/a	A	180 s.f.	20.6%
9/17/16	I1716-302	n/a	2	2FL	Kitchen	Green vinyl flooring	Non-friable	n/a	A		PS
9/17/16	I1716-303	n/a	3	2FL	Bath	White vinyl flooring	Non-friable	n/a	B	n/a	NAD
9/17/16	I1716-304	n/a	4	2FL	Bath	White vinyl flooring	Non-friable	n/a	B	n/a	NAD
9/17/16	I1716-305	n/a	5	2FL	Front	Textured paint	Friable	n/a	C	n/a	NAD
9/17/16	I1716-306	n/a	6	2FL	Front	Textured paint	Friable	n/a	C	n/a	NAD
9/17/16	I1716-307	n/a	7	2FL	Attic stair	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-308	n/a	8	2FL	Attic stair	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-309	n/a	9	1FL	LR	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-310	n/a	10	1FL	LR	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-311	n/a	11	1FL	LR	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-312	n/a	12	1FL	Kitchen	Green vinyl flooring	Non-friable	n/a	E	330 s.f.	14.6%
9/17/16	I1716-313	n/a	13	1FL	Kitchen	Green vinyl flooring	Non-friable	n/a	E		PS
9/17/16	I1716-314	n/a	14	1FL	Rear hall	Wallpaper	Friable	n/a	F	n/a	NAD
9/17/16	I1716-315	n/a	15	1FL	Rear hall	Wallpaper	Friable	n/a	F	n/a	NAD
9/17/16	I1716-316	n/a	16	1FL	LR	1.5x1.5 ceiling tile	Friable	n/a	G	n/a	NAD
9/17/16	I1716-317	n/a	17	1FL	LR	1.5x1.5 ceiling tile	Friable	n/a	G	n/a	NAD
9/17/16	I1716-318	n/a	18	1FL	LR	2x4 ceiling tile (new)	Friable	n/a	H	n/a	NAD
9/17/16	I1716-319	n/a	19	1FL	LR	2x4 ceiling tile (new)	Friable	n/a	H	n/a	NAD
9/17/16	I1716-320	n/a	20	1FL	LR	2x4 ceiling tile (old)	Friable	n/a	I	n/a	NAD
9/17/16	I1716-321	n/a	21	1FL	LR	2x4 ceiling tile (old)	Friable	n/a	I	n/a	NAD
9/17/16	I1716-322	n/a	22	1FL	LR	Drywall	Friable	Good	J	5,000 s.f.	Presumed
9/17/16	I1716-323	n/a	23	1FL	LR	Joint compound	Friable	Good	J		3.5%
9/17/16	I1716-324	n/a	24	1FL	LR	Drywall	Friable	Good	J		PS
9/17/16	I1716-325	n/a	25	1FL	LR	Joint compound	Friable	Good	J		PS
9/17/16	I1716-326	n/a	26	Basement	Wall	Parging	Friable	n/a	K	n/a	NAD
9/17/16	I1716-327	n/a	27	Basement	Wall	Parging	Friable	n/a	K	n/a	NAD
9/17/16	I1716-328	n/a	28	Basement	Chimney	Flue cement	Friable	n/a	L	n/a	NAD

Table 1 Notes:

Orange highlighting indicates samples with greater than 1% asbestos - POSITIVE or presumed

NAD = No asbestos

PS = Positive Stop: the sample or layered system is presumed to contain asbestos

H.A. = Homogeneous Area

**Table 1 - Summary of Results**

Date	Atlantic Sample #	Layer	Diagram location number	Building area	Location (refer to diagrams)	Suspect material	Friability	Condition of Friable		Estimated Quantity of Homogeneous	
								ACM	H.A.	ACM	% asbestos
9/17/16	I1716-329	n/a	29	Basement	Chimney	Flue cement	Friable	n/a	L	n/a	NAD
9/17/16	I1716-330	n/a	30	Basement	Pipes	Air-cell pipe insulation	Friable	Damaged	M	40 l.f.	23.5%
9/17/16	I1716-331	n/a	31	Basement	Pipes	Air-cell pipe insulation	Friable	Damaged	M		PS
9/17/16	I1716-332	n/a	32	Exterior	Walls	Cementitious (Transite) siding	Non-friable	n/a	N	4,000 s.f.	28.6%
9/17/16	I1716-333	n/a	33	Exterior	Walls	Cementitious (Transite) siding	Non-friable	n/a	N		PS
9/17/16	I1716-334	n/a	34	Exterior	2FL R window	Glazing compound	Non-friable	n/a	O	n/a	NAD
9/17/16	I1716-335	n/a	35	Exterior	2FL window	Glazing compound	Non-friable	n/a	O	n/a	NAD
9/17/16	I1716-336	n/a	36	Exterior	2FL window	Glazing compound	Non-friable	n/a	O	n/a	NAD
9/17/16	I1716-337	n/a	37	Exterior	Foundation wall	Cementitious parging	Non-friable	n/a	P	n/a	NAD
9/17/16	I1716-338	n/a	38	Exterior	Foundation wall	Cementitious parging	Non-friable	n/a	P	n/a	NAD
9/17/16	I1716-339	n/a	39	Exterior	Windows	Caulk	Non-friable	n/a	Q	n/a	NAD
9/17/16	I1716-340	n/a	40	Exterior	Walls	Fiberboard	Friable	n/a	R	n/a	NAD
9/17/16	I1716-341	n/a	41	Exterior	Walls	Fiberboard	Friable	n/a	R	n/a	NAD
9/17/16	I1716-342	n/a	42	Exterior	Rear walls	Asphaltic felt	Non-friable	n/a	S	n/a	NAD
9/17/16	I1716-343	n/a	43	Exterior	Rear walls	Asphaltic felt	Non-friable	n/a	S	n/a	NAD
9/17/16	I1716-344	n/a	44	Exterior	Rear wing	Asphaltic flashing cement at base	Non-friable	n/a	T	n/a	NAD
9/17/16	I1716-345	n/a	45	Exterior	Rear wing	Asphaltic flashing cement at base	Non-friable	n/a	T	n/a	NAD
9/17/16	I1716-346	n/a	46	Roof	Rear wing	Asphaltic roofing (bottom)	Non-friable	n/a	U	n/a	NAD
9/17/16	I1716-347	n/a	47	Roof	Rear wing	Asphaltic roofing (bottom)	Non-friable	n/a	U	n/a	NAD
9/17/16	I1716-348	n/a	48	Roof	Front porch	Bituminous roll roofing	Non-friable	n/a	V	n/a	NAD
9/17/16	I1716-349	n/a	49	Roof	Front porch	Bituminous roll roofing	Non-friable	n/a	V	n/a	NAD
9/17/16	I1716-350	n/a	50	Roof	R metal roofs	Silver asphaltic coating	Non-friable	n/a	W	60 s.f.	4.2%
9/17/16	I1716-351	n/a	51	Roof	R metal roofs	Silver asphaltic coating	Non-friable	n/a	W		PS
9/17/16	I1716-352	n/a	52	Roof	Main	Asphaltic shingle (bottom)	Non-friable	n/a	X	n/a	NAD
9/17/16	I1716-353	n/a	53	Roof	Main	Asphaltic shingle (bottom)	Non-friable	n/a	X	n/a	NAD
9/17/16	I1716-354	n/a	54	Roof	Main	Asphaltic shingle (mid)	Non-friable	n/a	X	n/a	NAD
9/17/16	I1716-355	n/a	55	Roof	Main	Asphaltic shingle (mid)	Non-friable	n/a	X	n/a	NAD
9/17/16	I1716-356	n/a	56	Roof	Main	Asphaltic shingle (top)	Non-friable	n/a	X	n/a	NAD

**Table 1 Notes:**

Orange highlighting indicates samples with greater than 1% asbestos - POSITIVE or presumed

NAD = No asbestos

PS = Positive Stop: the sample or layered system is presumed to contain asbestos

H.A. = Homogeneous Area

**Table 1 - Summary of Results**

Date	Atlantic Sample #	Layer	Diagram location number	Building area	Location (refer to diagrams)	Suspect material	Friability	Condition of Friable		Estimated Quantity of Homogeneous	
								ACM	H.A.	ACM	% asbestos
9/17/16	I1716-357	n/a	57	Roof	Main	Asphaltic shingle (top)	Non-friable	n/a	X	n/a	NAD
9/17/16	I1716-358	n/a	58	Roof	Front porch	Asphaltic flashing cement	Non-friable	n/a	Y	n/a	NAD
9/17/16	I1716-359	n/a	59	Roof	R side	Asphaltic flashing cement	Non-friable	n/a	Y	n/a	NAD
9/17/16	I1716-360	n/a	60	Roof	R side	Asphaltic flashing cement	Non-friable	n/a	Y	n/a	NAD
9/17/16	I1716-361	n/a	61	Barn	Walls	Cementitious (Transite) siding	Non-friable	n/a	Z	2,500 s.f.	18.2%
9/17/16	I1716-362	n/a	62	Barn	Walls	Cementitious (Transite) siding	Non-friable	n/a	Z		PS
9/17/16	I1716-363	n/a	63	Barn	Walls	Asphaltic felt underlayment	Non-friable	n/a	AA	n/a	NAD
9/17/16	I1716-364	n/a	64	Barn	Walls	Asphaltic felt underlayment	Non-friable	n/a	AA	n/a	NAD
9/17/16	I1716-365	n/a	65	Barn	Windows	Glazing compound	Non-friable	n/a	BB	n/a	NAD
9/17/16	I1716-366	n/a	66	Barn	Windows	Glazing compound	Non-friable	n/a	BB	n/a	NAD
9/17/16	I1716-367	n/a	67	Barn	Porch	Asphaltic felt	Non-friable	n/a	CC	n/a	NAD
9/17/16	I1716-368	n/a	68	Barn	Porch	Asphaltic felt	Non-friable	n/a	CC	n/a	NAD
9/17/16	I1716-369	n/a	69	Barn	Porch	Asphaltic shingle	Non-friable	n/a	CC	n/a	NAD
9/17/16	I1716-370	n/a	70	Barn	Porch	Asphaltic shingle	Non-friable	n/a	CC	n/a	NAD
9/17/16	I1716-371	n/a	71	Barn	Main roof	Asphaltic shingle (bottom)	Non-friable	n/a	DD	n/a	NAD
9/17/16	I1716-372	n/a	72	Barn	Main roof	Asphaltic shingle (bottom)	Non-friable	n/a	DD	n/a	NAD
9/17/16	I1716-373	n/a	73	Barn	Main roof	Asphaltic shingle (mid)	Non-friable	n/a	DD	n/a	NAD
9/17/16	I1716-374	n/a	74	Barn	Main roof	Asphaltic shingle (mid)	Non-friable	n/a	DD	n/a	NAD
9/17/16	I1716-375	n/a	75	Barn	Main roof	Asphaltic shingle (top)	Non-friable	n/a	DD	n/a	NAD
9/17/16	I1716-376	n/a	76	Barn	Main roof	Asphaltic shingle (top)	Non-friable	n/a	DD	n/a	NAD

Table 1 Notes:

Orange highlighting indicates samples with greater than 1% asbestos - POSITIVE or presumed

NAD = No asbestos

PS = Positive Stop: the sample or layered system is presumed to contain asbestos

H.A. = Homogeneous Area

**Table 2 - Homogeneous Areas**

Area	Material	Locations	Friability	ACM? Y/N	Quantity of ACM
A	Green vinyl flooring	Second floor kitchen	Non-friable	Y	180 s.f.
B	White vinyl flooring	Second floor bath	Non-friable	N	N/A
C	Textured paint	Second floor front room	Friable	N	N/A
D	Plaster	Various walls and ceilings throughout structure	Friable	N	N/A
E	Green vinyl flooring	First floor kitchen	Non-friable	Y	330 s.f.
F	Wallpaper	First floor rear hall	Friable	N	N/A
G	1.5 x 1.5 ceiling tile	First floor living room	Friable	N	N/A
H	2 x 4 ceiling tile (new)	First floor living room	Friable	N	N/A
I	2 x 4 ceiling tile (old)	First floor living room	Friable	N	N/A
J	Drywall and join compound	Walls and ceilings throughout structure, mainly on first floor	Friable	Y	5,000 s.f.
K	Cementitious parging	Basement foundation wall	Non-friable	N	N/A
L	Flue cement	Basement chimney	Friable	N	N/A
M	Air cell pipe installation	Pipes in basement	Friable	Y	40 l.f.
N	Cementitious (Transite) siding	Exterior walls	Non-friable	Y	4,000 s.f.
O	Glazing compound	All old-style putty-glazed window sash	Non-friable	N	N/A
P	Cementitious parging	Exterior foundation walls	Non-friable	N	N/A
Q	Caulking	Exterior window perimeters	Non-friable	N	N/A
R	Fiberboard	Exterior siding underlayment	Friable	N	N/A

**Table 2 Notes:**

Orange highlighting indicates Asbestos Containing Materials

\* Quantities are estimated and approximate: s.f. = square feet; l.f. = linear feet

**Table 2 - Homogeneous Areas**

Area	Material	Locations	Friability	ACM? Y/N	Quantity of ACM
S	Asphaltic felt	Exterior rear walls	Non-friable	N	N/A
T	Asphaltic flashing cement	Rear wing walls	Non-friable	N	N/A
U	Asphaltic roofing	Rear wing roof (bottom layer)	Non-friable	N	N/A
V	Bituminous roll roofing	Front porch	Non-friable	N	N/A
W	Silver asphaltic coating	Right side metal roofs	Non-friable	Y	60 s.f.
X	Multilayer asphaltic shingles	Main roofing	Non-friable	N	N/A
Y	Asphaltic flashing cement	Roof joints and penetrations	Non-friable	N	N/A
Z	Cementitious (Transite) siding	Barn exterior walls	Non-friable	Y	2,500 s.f.
AA	Asphaltic felt underlayment	Barn exterior walls	Non-friable	N	N/A
BB	Glazing compound	All old-style putty-glazed window sash in barn	Non-friable	N	N/A
CC	Asphaltic felt and shingles	Barn porch roof	Non-friable	N	N/A
DD	Multilayer asphaltic shingles	Barn main roof	Non-friable	N	N/A

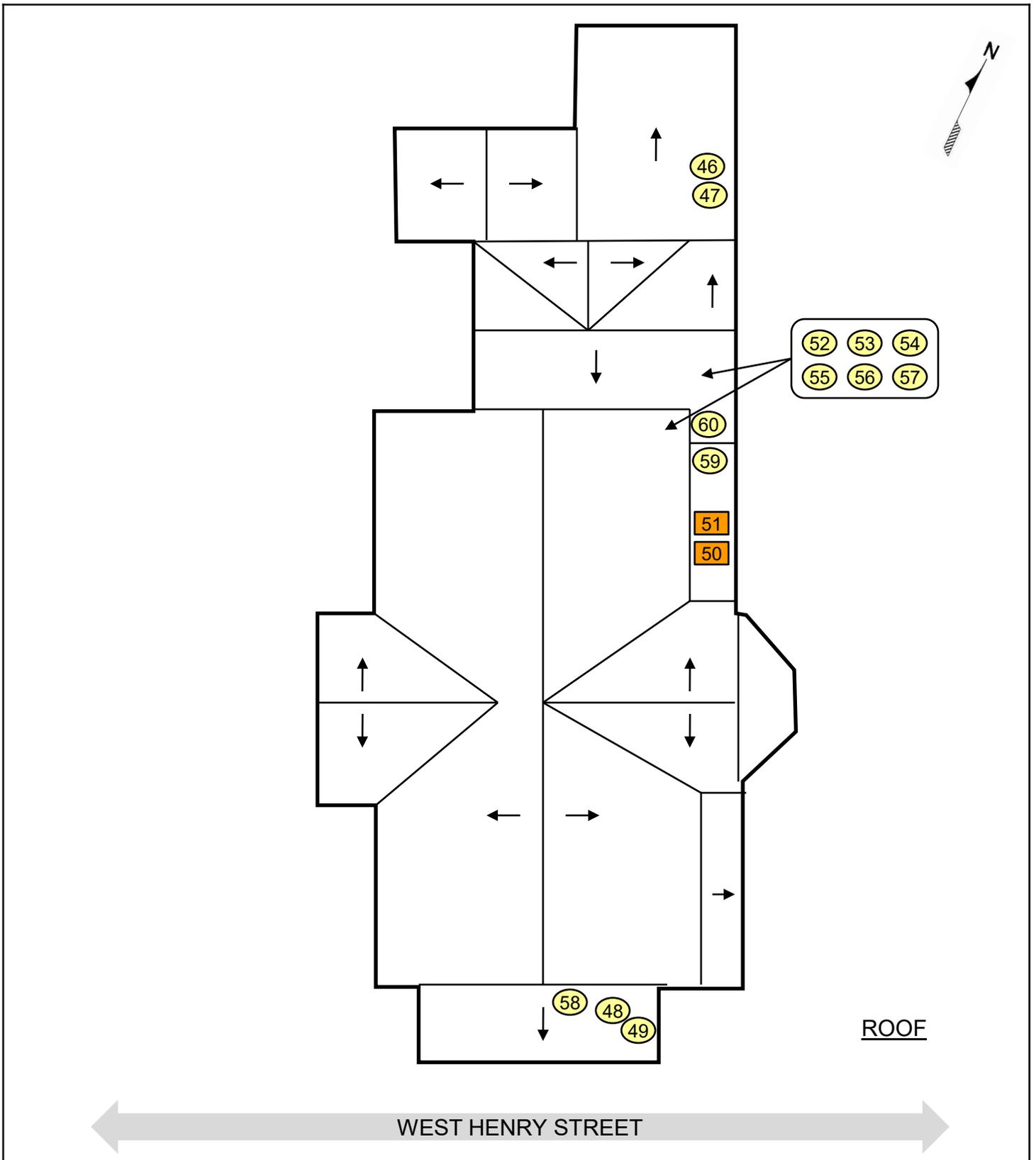
Table 2 Notes:

Orange highlighting indicates Asbestos Containing Materials

\* Quantities are estimated and approximate: s.f. = square feet; l.f. = linear feet

## Figures





**FIGURE 2: BUILDING AND SAMPLING DIAGRAM**

Sampling Locations

Project: Pre-Demolition  
Asbestos Survey

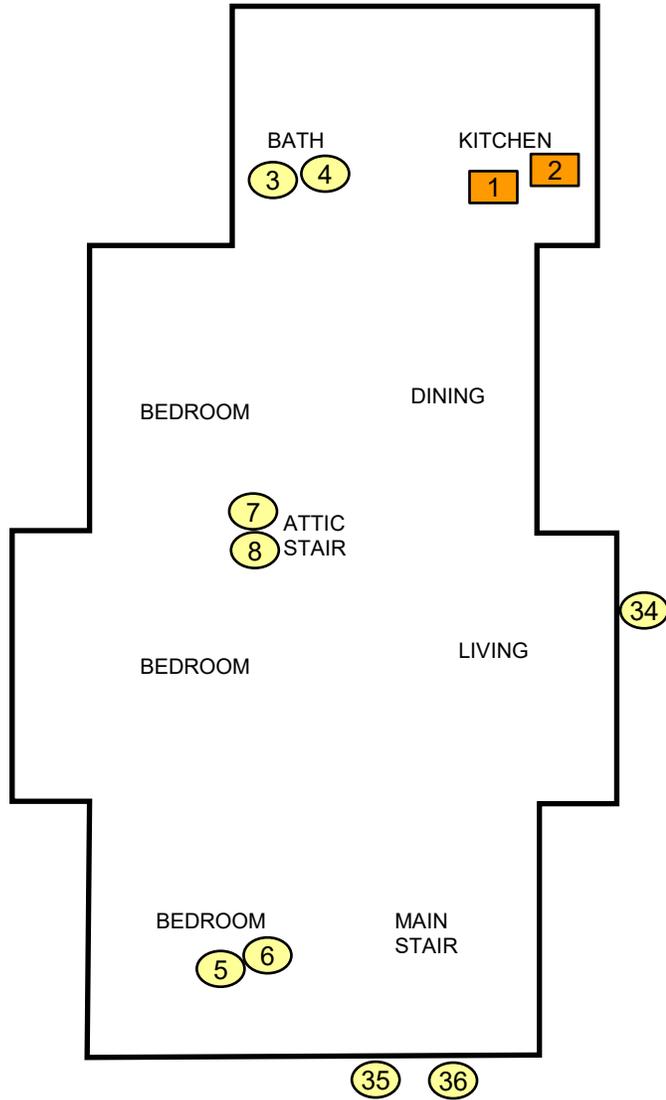
Site: 218 West Henry Street, Elmira, NY

- Negative Samples
- Positive or Presumed Samples



Approximate scale: 1" = 12'

Sheet 1 of 5



2<sup>ND</sup> FLOOR



**FIGURE 2: BUILDING AND SAMPLING DIAGRAM**

Sampling Locations

Project: Pre-Demolition  
Asbestos Survey

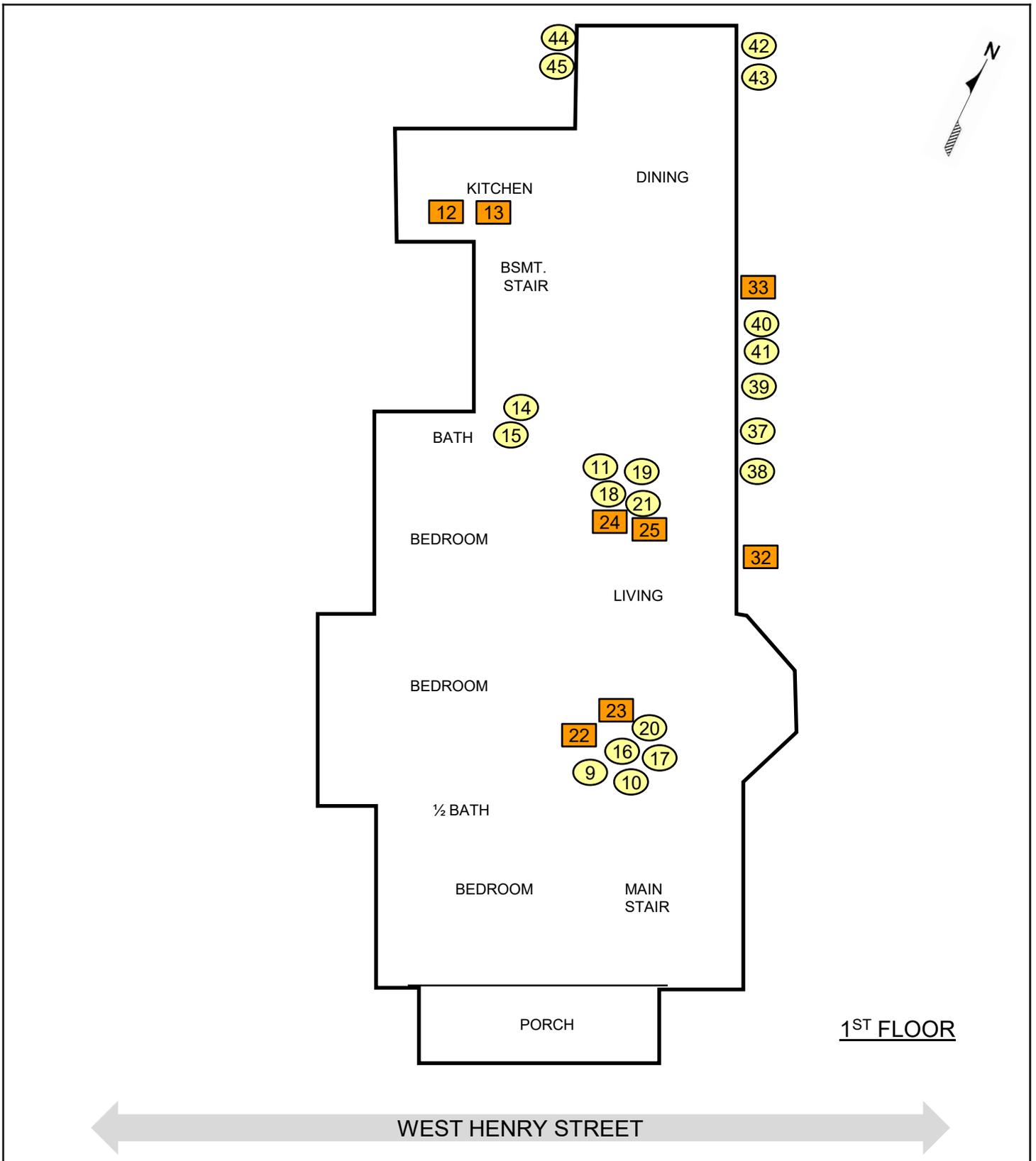
Site: 218 West Henry Street, Elmira, NY

-  Negative Samples
-  Positive or Presumed Samples



Approximate scale: 1" = 12'

Sheet 2 of 5



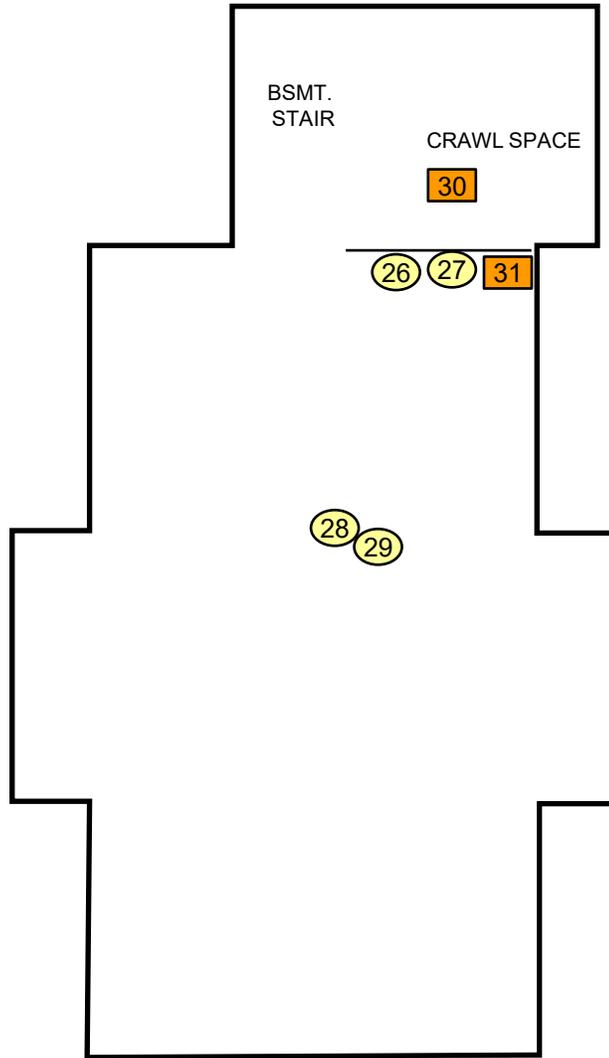
**FIGURE 2: BUILDING AND SAMPLING DIAGRAM**

Sampling Locations

Project: Pre-Demolition  
Asbestos Survey

Site: 218 West Henry Street, Elmira, NY

- Negative Samples
- Positive or Presumed Samples



BASEMENT

WEST HENRY STREET

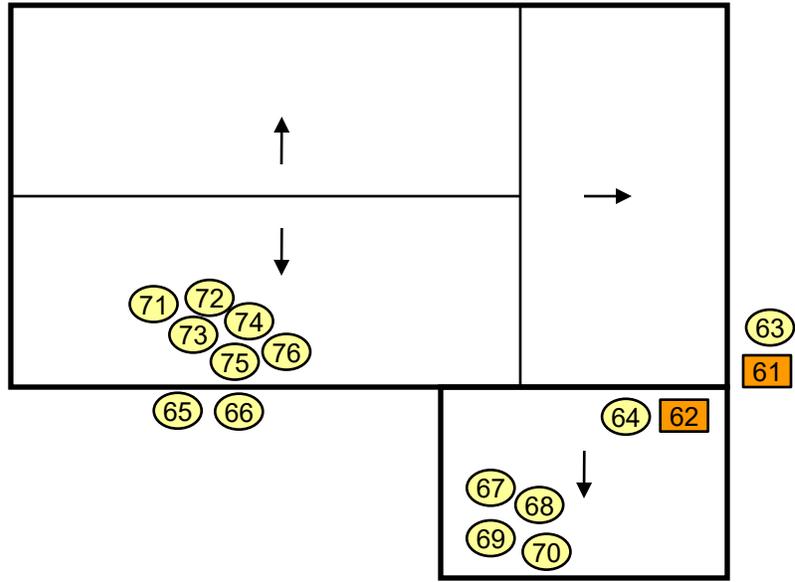
**FIGURE 2: BUILDING AND SAMPLING DIAGRAM**

Sampling Locations

Project: Pre-Demolition  
Asbestos Survey

Site: 218 West Henry Street, Elmira, NY

-  Negative Samples
-  Positive or Presumed Samples



BARN

← WEST HENRY STREET →

**FIGURE 2: BUILDING AND SAMPLING DIAGRAM**

Project: Pre-Demolition  
Asbestos Survey

Site: 218 West Henry Street, Elmira, NY



Approximate scale: 1" = 12'

Sheet 5 of 5

Sampling Locations

-  Negative Samples
-  Positive or Presumed Samples

**Photos - 218 West Henry Street, Elmira, NY**



Photo 1:

Air-cell pipe insulation in the crawl space and basement is positive friable ACM.



Photo 2:

Joint compound on drywall surfaces throughout the building is positive non-friable ACM.



Photo 3:

Green vinyl flooring in the second floor kitchen is positive non-friable ACM.

**Photos - 218 West Henry Street, Elmira, NY**



Photo 4:

Green vinyl flooring in the first floor kitchen is positive non-friable ACM.



Photo 5:

Silver asphaltic coating on the right side metal roofs is positive non-friable ACM.



Photo 6:

Cementitious (Transite) siding (beneath aluminum siding) on the house exterior walls is positive non-friable ACM.

**Photos - 218 West Henry Street, Elmira, NY**



Photo 7:

Cementitious (Transite) siding on the barn exterior walls is positive non-friable ACM.

## **Appendix A - Laboratory Analytical Data**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018  
Tel/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com / manhattanlab@emsl.com>

**EMSL Order:** 031628489  
**Customer ID:** ATEN78  
**Customer PO:**  
**Project ID:**

**Attention:** Matthew Weintraub  
Atlantic Environmental Consulting, LLC  
3725 Alpine Drive  
Endicott, NY 13760  
**Phone:** (607) 239-4311  
**Fax:**  
**Received Date:** 09/21/2016 11:03 AM  
**Analysis Date:** 09/22/2016 - 09/24/2016  
**Collected Date:** 09/17/2016  
**Project:** 218 WEST HENRY STREET, ELMIRA, NY

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-301 031628489-0001		<b>Description</b> 2FL/ KITCHEN - GREEN VINYL FLOORING <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Green	None	79.40% Other	<b>20.60% Chrysotile</b>
<b>TEM NYS 198.4 NOB</b>	09/23/2016				<b>Positive Stop (Not Analyzed)</b>
<b>Sample ID</b> 11716-302 031628489-0002		<b>Description</b> 2FL/ KITCHEN - GREEN VINYL FLOORING <b>Homogeneity</b>			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016				<b>Positive Stop (Not Analyzed)</b>
<b>TEM NYS 198.4 NOB</b>	09/23/2016				<b>Positive Stop (Not Analyzed)</b>
<b>Sample ID</b> 11716-303 031628489-0003		<b>Description</b> 2FL/ BATH - WHITE VINYL FLOORING <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	White	1.20% Glass	98.80% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-304 031628489-0004		<b>Description</b> 2FL/ BATH - WHITE VINYL FLOORING <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	White	2.10% Glass	97.90% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-305 031628489-0005		<b>Description</b> 2FL/ FRONT - TEXTURED PAINT <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	White		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	White		100.00% Other	<b>None Detected</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018  
Tel/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com / manhattanlab@emsl.com>

**EMSL Order:** 031628489  
**Customer ID:** ATEN78  
**Customer PO:**  
**Project ID:**

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-306 031628489-0006		<b>Description</b> 2FL/ FRONT - TEXTURED PAINT <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	White		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-307-Skim Coat 031628489-0007		<b>Description</b> 2FL/ ATTIC STAIR - PLASTER <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>	09/22/2016	White/ Yellow		55.00% Ca Carbonate 45.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-307-Rough Coat 031628489-0007A		<b>Description</b> 2FL/ ATTIC STAIR - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown	18.00% Hair	42.00% Non-fibrous (other) 40.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-308 031628489-0008		<b>Description</b> 2FL/ ATTIC STAIR - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown	10.00% Hair	37.00% Non-fibrous (other) 53.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-309-Skim Coat 031628489-0009		<b>Description</b> 1FL/ LR - PLASTER <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown/ White	20.00% Cellulose	40.00% Ca Carbonate 40.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-309-Rough Coat 031628489-0009A		<b>Description</b> 1FL/ LR - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown	6.00% Hair	39.00% Non-fibrous (other) 55.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-310-Skim Coat 031628489-0010		<b>Description</b> 1FL/ LR - PLASTER <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown/ Tan/ White	13.00% Cellulose	48.00% Ca Carbonate 39.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-310-Rough Coat 031628489-0010A		<b>Description</b> 1FL/ LR - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown	2.00% Cellulose 5.00% Hair	38.00% Non-fibrous (other) 55.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-311 031628489-0011		<b>Description</b> 1FL/ LR - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Gray		35.00% Gypsum 50.00% Non-fibrous (other) 15.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-312 031628489-0012		<b>Description</b> 1FL/ KITCHEN - GREEN VINYL FLOORING <b>Homogeneity</b> Heterogeneous			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Green	None	85.40% Other	<b>14.60% Chrysotile</b>
<b>TEM NYS 198.4 NOB</b>	09/23/2016				<b>Positive Stop (Not Analyzed)</b>
<b>Sample ID</b> 11716-313 031628489-0013		<b>Description</b> 1FL/ KITCHEN - GREEN VINYL FLOORING <b>Homogeneity</b>			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016				<b>Positive Stop (Not Analyzed)</b>
<b>TEM NYS 198.4 NOB</b>	09/23/2016				<b>Positive Stop (Not Analyzed)</b>
<b>Sample ID</b> 11716-314 031628489-0014		<b>Description</b> 1FL/ REAR WALL - WALLPAPER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Tan/ White	75.00% Cellulose	25.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018  
Tel/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com / manhattanlab@emsl.com>

**EMSL Order:** 031628489  
**Customer ID:** ATEN78  
**Customer PO:**  
**Project ID:**

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-315 031628489-0015		<b>Description</b>	1FL/ REAR WALL - WALLPAPER		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Tan/ White/ Blue	80.00% Cellulose	20.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-316 031628489-0016		<b>Description</b>	1FL/ LR - 1.5X1.5 CEILING TILE		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Brown		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Brown		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-317 031628489-0017		<b>Description</b>	1FL/ LR - 1.5X1.5 CEILING TILE		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Brown/ White		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Brown/ White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-318 031628489-0018		<b>Description</b>	1FL/ LR - 2X4 CEILING TILE (NEW)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	White	13.90% Min. Wool	86.10% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-319 031628489-0019		<b>Description</b>	1FL/ LR - 2X4 CEILING TILE (NEW)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	White	17.10% Min. Wool	82.90% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-320 031628489-0020		<b>Description</b>	1FL/ LR - 2X4 CEILING TILE (OLD)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Tan/ White	19.50% Min. Wool	80.50% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Tan/ White		100.00% Other	<b>None Detected</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-321 031628489-0021			<b>Description</b> 1FL/ LR - 2X4 CEILING TILE (OLD)		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Tan/ White	16.60% Min. Wool	83.40% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Tan/ White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-322 031628489-0022			<b>Description</b> 1FL/ LR - DRYWALL		
			<b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown/ White	17.00% Cellulose	55.00% Gypsum 28.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-323-Joint Compound 031628489-0023			<b>Description</b> 1FL/ LR - JOINT COMPOUND		
			<b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	White	None	45.00% Ca Carbonate 4.00% Mica 47.46% Non-fibrous (other)	<b>3.54% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-323-Tape 031628489-0023A			<b>Description</b> 1FL/ LR - JOINT COMPOUND		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Tan/ White	88.00% Cellulose	12.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-324 031628489-0024			<b>Description</b> 1FL/ LR - DRYWALL		
			<b>Homogeneity</b>		
<b>PLM NYS 198.1 Friable</b>	09/22/2016				<b>Positive Stop</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-325 031628489-0025			<b>Description</b> 1FL/ LR - JOINT COMPOUND		
			<b>Homogeneity</b>		
<b>PLM NYS 198.1 Friable</b>	09/22/2016				<b>Positive Stop</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-326 031628489-0026			<b>Description</b> BASEMENT/ WALL - PARGING <b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown/ White	5.00% Hair	22.00% Ca Carbonate 33.00% Non-fibrous (other) 40.00% Quartz	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-327 031628489-0027			<b>Description</b> BASEMENT/ WALL - PARGING <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	White	7.00% Hair	50.00% Ca Carbonate 43.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-328 031628489-0028			<b>Description</b> BASEMENT/ CHIMNEY - FLUE CEMENT <b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown/ White	1.00% Fibrous (other)	10.00% Ca Carbonate 29.00% Non-fibrous (other) 60.00% Quartz	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-329 031628489-0029			<b>Description</b> BASEMENT/ CHIMNEY - FLUE CEMENT <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Gray/ White		15.00% Ca Carbonate 35.00% Non-fibrous (other) 50.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-330 031628489-0030			<b>Description</b> BASEMENT/ PIPES - AIR-CELL PIPE INSULATION <b>Homogeneity</b> Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown/ White	55.00% Cellulose	21.50% Non-fibrous (other)	<b>23.50% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-331 031628489-0031			<b>Description</b> BASEMENT/ PIPES - AIR-CELL PIPE INSULATION		
			<b>Homogeneity</b>		
<b>PLM NYS 198.1 Friable</b>	09/22/2016				<b>Positive Stop</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-332 031628489-0032			<b>Description</b> EXTERIOR/ WALLS - CEMENTITIOUS (TRANSITE) SIDING		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Tan/ Green	None	71.40% Non-fibrous (other)	<b>28.60% Chrysotile</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-333 031628489-0033			<b>Description</b> EXTERIOR/ WALLS - CEMENTITIOUS (TRANSITE) SIDING		
			<b>Homogeneity</b>		
<b>PLM NYS 198.1 Friable</b>	09/22/2016				<b>Positive Stop</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-334 031628489-0034			<b>Description</b> EXTERIOR/ 2FL R WINDOW - GLAZING COMPOUND		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Tan		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Tan		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-335 031628489-0035			<b>Description</b> EXTERIOR/ 2FL WINDOW - GLAZING COMPOUND		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Gray	<1.00% Fibrous (other)	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Gray		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-336 031628489-0036			<b>Description</b> EXTERIOR/ 2FL WINDOW - GLAZING COMPOUND		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Gray	<1.00% Fibrous (other)	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Gray		100.00% Other	<b>None Detected</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-337 031628489-0037		<b>Description</b>	EXTERIOR/ FOUNDATION WALL - CEMENTITIOUS PARGING		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown/ Gray/ Tan	3.00% Cellulose	10.00% Ca Carbonate 32.00% Non-fibrous (other) 55.00% Quartz	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-338 031628489-0038		<b>Description</b>	EXTERIOR/ FOUNDATION WALL - CEMENTITIOUS PARGING		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Gray	6.00% Cellulose	65.00% Gypsum 29.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-339 031628489-0039		<b>Description</b>	EXTERIOR/ WINDOWS - CAULK		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	White		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	White		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-340 031628489-0040		<b>Description</b>	EXTERIOR/ WALLS - FIBERBOARD		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown	97.00% Cellulose	3.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-341 031628489-0041		<b>Description</b>	EXTERIOR/ WALLS - FIBERBOARD		
		<b>Homogeneity</b>	Homogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Brown	95.00% Cellulose	5.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-342 031628489-0042		<b>Description</b>	EXTERIOR/ REAR WALLS - ASPHALTIC FELT		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-343 031628489-0043		<b>Description</b>	EXTERIOR/ REAR WALLS - ASPHALTIC FELT		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	<1.00% Min. Wool	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-344 031628489-0044		<b>Description</b>	EXTERIOR/ REAR WING - ASPHALTIC FLASHING CEMENT AT BASE		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-345 031628489-0045		<b>Description</b>	EXTERIOR/ REAR WING - ASPHALTIC FLASHING CEMENT AT BASE		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-346 031628489-0046		<b>Description</b>	ROOF/ REAR WING - ASPHALTIC ROOFING (BOTTOM)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	8.80% Glass	91.20% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-347 031628489-0047		<b>Description</b>	ROOF/ REAR WING - ASPHALTIC ROOFING (BOTTOM)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	25.50% Glass	74.50% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-348 031628489-0048		<b>Description</b>	ROOF/ FRONT PORCH - BITUMINOUS ROLL ROOFING		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	22.90% Glass	77.10% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018  
Tel/Fax: (212) 290-0051 / (212) 290-0058  
<http://www.EMSL.com / manhattanlab@emsl.com>

**EMSL Order:** 031628489  
**Customer ID:** ATEN78  
**Customer PO:**  
**Project ID:**

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-349 031628489-0049		<b>Description</b>	ROOF/ FRONT PORCH - BITUMINOUS ROLL ROOFING		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	19.90% Glass	80.10% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-350 031628489-0050		<b>Description</b>	ROOF/ R METAL ROOFS - SILVER ASPHALTIC COATING		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Brown/ Gray	3.90% Glass	91.90% Other	<b>4.20% Chrysotile</b>
<b>TEM NYS 198.4 NOB</b>	09/23/2016				<b>Positive Stop (Not Analyzed)</b>
<b>Sample ID</b> 11716-351 031628489-0051		<b>Description</b>	ROOF/ R METAL ROOFS - SILVER ASPHALTIC COATING		
		<b>Homogeneity</b>			
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016				<b>Positive Stop (Not Analyzed)</b>
<b>TEM NYS 198.4 NOB</b>	09/23/2016				<b>Positive Stop (Not Analyzed)</b>
<b>Sample ID</b> 11716-352 031628489-0052		<b>Description</b>	ROOF/ MAIN - ASPHALTIC SHINGLE (BOTTOM)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	<1.00% Synthetic	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-353 031628489-0053		<b>Description</b>	ROOF/ MAIN - ASPHALTIC SHINGLE (BOTTOM)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	<1.00% Synthetic	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-354 031628489-0054		<b>Description</b>	ROOF/ MAIN - ASPHALTIC SHINGLE (MID)		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-355 031628489-0055			Description ROOF/ MAIN - ASPHALTIC SHINGLE (MID) Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-356 031628489-0056			Description ROOF/ MAIN - ASPHALTIC SHINGLE (TOP) Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	1.00% Glass	99.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-357 031628489-0057			Description ROOF/ MAIN - ASPHALTIC SHINGLE (TOP) Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	11.60% Glass	88.40% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-358 031628489-0058			Description ROOF/ FRONT PORCH - ASPHALTIC FLASHING CEMENT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	14.50% Glass	85.50% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-359 031628489-0059			Description ROOF/ R SIDE - ASPHALTIC FLASHING CEMENT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	8.60% Glass	91.40% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-360 031628489-0060			Description ROOF/ R SIDE - ASPHALTIC FLASHING CEMENT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	1.10% Glass	98.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-361 <i>031628489-0061</i>		<b>Description</b>	BARN/ WALLS - CEMENTITIOUS (TRANSITE) SIDING		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>	09/22/2016	Gray/ Green	None	81.80% Non-fibrous (other)	<b>18.20% Chrysotile</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-362 <i>031628489-0062</i>		<b>Description</b>	BARN/ WALLS - CEMENTITIOUS (TRANSITE) SIDING		
		<b>Homogeneity</b>			
<b>PLM NYS 198.1 Friable</b>	09/22/2016				<b>Positive Stop</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-363 <i>031628489-0063</i>		<b>Description</b>	BARN/ WALLS - ASPHALTIC FELT UNDERLAYMENT		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-364 <i>031628489-0064</i>		<b>Description</b>	BARN/ WALLS - ASPHALTIC FELT UNDERLAYMENT		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-365 <i>031628489-0065</i>		<b>Description</b>	BARN/ WINDOWS - GLAZING COMPOUND		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black		100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-366 <i>031628489-0066</i>		<b>Description</b>	BARN/ WINDOWS - GLAZING COMPOUND		
		<b>Homogeneity</b>	Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Gray/ White	1.30% Fibrous (other)	98.70% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Gray/ White		100.00% Other	<b>None Detected</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628489

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-367 031628489-0067			Description BARN/ PORCH - ASPHALTIC FELT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-368 031628489-0068			Description BARN/ PORCH - ASPHALTIC FELT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-369 031628489-0069			Description BARN/ PORCH - ASPHALTIC SHINGLE Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	12.80% Min. Wool	87.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-370 031628489-0070			Description BARN/ PORCH - ASPHALTIC SHINGLE Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	1.30% Glass	98.70% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-371 031628489-0071			Description BARN/ MAIN ROOF - ASPHALTIC SHINGLE (BOTTOM) Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-372 031628489-0072			Description BARN/ MAIN ROOF - ASPHALTIC SHINGLE (BOTTOM) Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031628489
<b>Customer ID:</b> ATEN78
<b>Customer PO:</b>
<b>Project ID:</b>

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-373 031628489-0073			<b>Description</b> BARN/ MAIN ROOF - ASPHALTIC SHINGLE (MID)		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	<1.00% Synthetic	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-374 031628489-0074			<b>Description</b> BARN/ MAIN ROOF - ASPHALTIC SHINGLE (MID)		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	1.10% Synthetic	98.90% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-375 031628489-0075			<b>Description</b> BARN/ MAIN ROOF - ASPHALTIC SHINGLE (TOP)		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	<1.00% Glass	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>
<b>Sample ID</b> 11716-376 031628489-0076			<b>Description</b> BARN/ MAIN ROOF - ASPHALTIC SHINGLE (TOP)		
			<b>Homogeneity</b> Heterogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	09/23/2016	Black	<1.00% Glass	100.00% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	09/24/2016	Black		100.00% Other	<b>None Detected</b>

Initial Report From: 09/24/2016 12:38:22



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

<b>EMSL Order:</b> 031628489
<b>Customer ID:</b> ATEN78
<b>Customer PO:</b>
<b>Project ID:</b>

## Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above . Please use this reference number when calling about these samples.

### Report Comments:

Sample Receipt Date: 9/21/2016  
Analysis Completed Date: 9/23/2016

Sample Receipt Time: 11:03 AM  
Analysis Completed Time: 4:12 PM

### Analyst(s):

Daena Charles PLM NYS 198.1 Friable (5)

Jon Williams PLM NYS 198.1 Friable (19)

Jon Williams PLM NYS 198.6 NOB (48)

Alicia Folgar TEM NYS 198.4 NOB (45)

### Samples reviewed and approved by:

James Hall, Laboratory Manager  
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at [http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance\\_Rev070913.pdf](http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf) EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations . Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation .

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial Report From: 09/24/2016 12:38:22

**ATLANTIC ENVIRONMENTAL CONSULTING**  
**CHAIN OF CUSTODY**

**BULK SAMPLING**

PAGE 1 OF 3

EMSL Job #:

031628489

**LAB:**

EMSL New York  
 307 West 38th Street  
 New York, NY, 10018  
 212-290-0051

Atlantic Environmental Consulting, 3725 Alpine Drive,  
 Endwell, NY 13760 EMAIL: atlanticconsulting@stny.rr.com

PHONE: 607-239-4311

FAX: 877-237-7258

**PROJECT: 218 WEST HENRY STREET, ELMIRA, NY**

JOB TYPE:  
 NYS Pre-Demo.

MANAGER:  
 Matthew Weintraub

ANALYSIS:	TURNAROUND TIME							
PLM	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	120 HR	
TEM BULK	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	120 HR	
OTHER	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	OTHER	

COMMENTS:  
 Analyze in order listed; stop analyses at first positive of each homogeneous area (HA).

*J. 9/23/16 4:15pm*

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
9/17/16	I1716-301	2FL	Kitchen	Green vinyl flooring	A
9/17/16	I1716-302	2FL	Kitchen	Green vinyl flooring	A
9/17/16	I1716-303	2FL	Bath	White vinyl flooring	B
9/17/16	I1716-304	2FL	Bath	White vinyl flooring	B
9/17/16	I1716-305	2FL	Front	Textured paint	C
9/17/16	I1716-306	2FL	Front	Textured paint	C
9/17/16	I1716-307	2FL	Attic stair	Plaster	D
9/17/16	I1716-308	2FL	Attic stair	Plaster	D
9/17/16	I1716-309	1FL	LR	Plaster	D
9/17/16	I1716-310	1FL	LR	Plaster	D
9/17/16	I1716-311	1FL	LR	Plaster	D
9/17/16	I1716-312	1FL	Kitchen	Green vinyl flooring	E
9/17/16	I1716-313	1FL	Kitchen	Green vinyl flooring	E
9/17/16	I1716-314	1FL	Rear hall	Wallpaper	F
9/17/16	I1716-315	1FL	Rear hall	Wallpaper	F
9/17/16	I1716-316	1FL	LR	1.5x1.5 ceiling tile	G
9/17/16	I1716-317	1FL	LR	1.5x1.5 ceiling tile	G
9/17/16	I1716-318	1FL	LR	2x4 ceiling tile (new)	H
9/17/16	I1716-319	1FL	LR	2x4 ceiling tile (new)	H
9/17/16	I1716-320	1FL	LR	2x4 ceiling tile (old)	I
9/17/16	I1716-321	1FL	LR	2x4 ceiling tile (old)	I
9/17/16	I1716-322	1FL	LR	Drywall	J
9/17/16	I1716-323	1FL	LR	Joint compound	J
9/17/16	I1716-324	1FL	LR	Drywall	J
9/17/16	I1716-325	1FL	LR	Joint compound	J
9/17/16	I1716-326	Basement	Wall	Parging	K
9/17/16	I1716-327	Basement	Wall	Parging	K
9/17/16	I1716-328	Basement	Chimney	Flue cement	L

EMSL - MATTHEW WEINTRAUB (LAB)  
 16 SEP 21 11:11:03  
 RECEIVED

SAMPLED BY: *[Signature]* DATE: 9/17/16

RECEIVED BY: *[Signature]* DATE: 9/21/16 11:03 AM

RELINQUISHED BY: *[Signature]* DATE: 9/20/16

RECEIVED IN LAB BY: *[Signature]* DATE: 9/23/16 12:30pm

**ATLANTIC ENVIRONMENTAL CONSULTING**  
**CHAIN OF CUSTODY**

**BULK SAMPLING**

PAGE 2 OF 3

EMSL Job #:

031628489

**LAB:**

EMSL New York  
 307 West 38th Street  
 New York, NY, 10018  
 212-290-0051

Atlantic Environmental Consulting, 3725 Alpine Drive, Endwell, NY 13760  
 EMAIL: atlanticconsulting@stny.rr.com  
 PHONE: 607-239-4311  
 FAX: 877-237-7258

**PROJECT: 218 WEST HENRY STREET, ELMIRA, NY** JOB TYPE: NYS Pre-Demo. MANAGER: Matthew Weintraub

ANALYSIS:	TURNAROUND TIME	COMMENTS:
PLM	8 HR 12 HR 24 HR 48 HR <u>72 HR</u> 96 HR 120 HR	Analyze in order listed; stop analyses at first positive of each homogeneous area (HA).  <i>J. 9/23/16 4:15</i>
TEM BULK	8 HR 12 HR 24 HR 48 HR <u>72 HR</u> 96 HR 120 HR	
OTHER	8 HR 12 HR 24 HR 48 HR 72 HR 96 HR OTHER	

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
9/17/16	I1716-329	Basement	Chimney	Flue cement	L
9/17/16	I1716-330	Basement	Pipes	Air-cell pipe insulation	M
9/17/16	I1716-331	Basement	Pipes	Air-cell pipe insulation	M
9/17/16	I1716-332	Exterior	Walls	Cementitious (Transite) siding	N
9/17/16	I1716-333	Exterior	Walls	Cementitious (Transite) siding	N
9/17/16	I1716-334	Exterior	2FL R window	Glazing compound	O
9/17/16	I1716-335	Exterior	2FL window	Glazing compound	O
9/17/16	I1716-336	Exterior	2FL window	Glazing compound	O
9/17/16	I1716-337	Exterior	Foundation wall	Cementitious parging	P
9/17/16	I1716-338	Exterior	Foundation wall	Cementitious parging	P
9/17/16	I1716-339	Exterior	Windows	Caulk	Q
9/17/16	I1716-340	Exterior	Walls	Fiberboard	R
9/17/16	I1716-341	Exterior	Walls	Fiberboard	R
9/17/16	I1716-342	Exterior	Rear walls	Asphaltic felt	S
9/17/16	I1716-343	Exterior	Rear walls	Asphaltic felt	S
9/17/16	I1716-344	Exterior	Rear wing	Asphaltic flashing cement at base	T
9/17/16	I1716-345	Exterior	Rear wing	Asphaltic flashing cement at base	T
9/17/16	I1716-346	Roof	Rear wing	Asphaltic roofing (bottom)	U
9/17/16	I1716-347	Roof	Rear wing	Asphaltic roofing (bottom)	U
9/17/16	I1716-348	Roof	Front porch	Bituminous roll roofing	V
9/17/16	I1716-349	Roof	Front porch	Bituminous roll roofing	V
9/17/16	I1716-350	Roof	R metal roofs	Silver asphaltic coating	W
9/17/16	I1716-351	Roof	R metal roofs	Silver asphaltic coating	W
9/17/16	I1716-352	Roof	Main	Asphaltic shingle (bottom)	X
9/17/16	I1716-353	Roof	Main	Asphaltic shingle (bottom)	X
9/17/16	I1716-354	Roof	Main	Asphaltic shingle (mid)	X
9/17/16	I1716-355	Roof	Main	Asphaltic shingle (mid)	X
9/17/16	I1716-356	Roof	Main	Asphaltic shingle (top)	X

16 SEP 21 11:03 AM  
 RECEIVED  
 EMST LABORATORY LAD

SAMPLED BY: <i>[Signature]</i> DATE: <u>9/17/16</u>	RECEIVED BY: <i>[Signature]</i> DATE: <u>9/21/16 11:03 AM</u>
RELINQUISHED BY: <i>[Signature]</i> DATE: <u>9/20/16</u>	RECEIVED IN LAB BY: <i>[Signature]</i> DATE: <u>9/24/16</u>



ORIGIN ID: BGMA (607) 239-4311  
CONTACT NAME  
ATLANTIC ENVIRONMENTAL CONSULTING  
3725 ALPINE DRIVE  
ENDICOTT, NY 13760  
UNITED STATES US

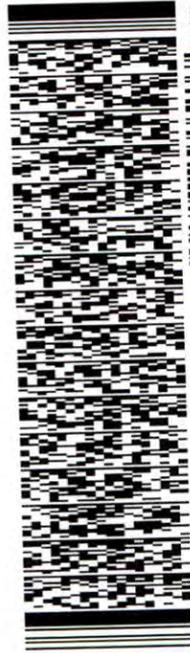
SHIP DATE: 20SEP16  
ACTWGT: 1.00 LB  
CAD: 102509583MWSX12500

TO **SAMPLE RECEIVING**  
**EMSL ANALYTICAL, INC.**  
**307 WEST 38TH STREET**

**NEW YORK NY 10018**

(212) 290-0051 REF: ARL-WEB(A)  
INV. RMA: ATEWZ8  
DEPT:

RMA: [Barcode]



J162016070501uv

544J1/A053/14E8

FedEx  
TRK# 7951 9086 6381  
0221

WED - 21 SEP 10:30A  
PRIORITY OVERNIGHT  
8

**E3 MTPA**

**10018**  
NY-US  
**EWV**



FTD 238231 20SEP16 SYRA 539C1/A053/37F4



**Disclaimer**

Use of this FedEx shipping label is subject to the following restrictions and conditions:

**IMPORTANT! Do not duplicate this label. Each package must contain a unique tracking number in order to maintain tracking and billing integrity.**

1. The shipment must be via FedEx packaging (FedEx envelope pack or FedEx box); this label is not valid for use on non-standard packages nor coolers.
2. Valid for shipment of the following samples only: Lead analysis of paint chips, air samples, or wipe samples; Asbestos testing of bulk material samples, wipe/dust samples, or air sample cassettes; Microbiology air samples or bulk samples, tape lift samples, and/or swab samples. This label and shipping is not valid for shipment of any sample that requires a cooler or any other sample type not specifically described herein.
3. The package shipment must exceed a minimum of \$100 in analytical fees. If this minimum is not met, a minimum shipping fee of \$15 will be added to the analysis invoice.
4. Not valid for the shipping of any hazardous materials or items prohibited to be shipped by these means.
5. Valid for only those accounts pre-approved to use this service. This courtesy shipping service may be terminated at any time by EMSL for any customer accounts that are not in good standing due to late payment /COD Status, or any other reason in the sole determination of EMSL.
6. Any additional fees, including, but not limited to, custom pickup fees from FedEx, excessive weight fees, and any surcharge items added by FedEx, associated with this label/package will be back-charged to the customer that made the shipment.
7. This label is not valid for weekend or holiday deliveries.
8. Excludes Summa Canisters, Equipment Rental and Loaner Returns.
9. Valid in the Continental United States and within Canada.

**ATLANTIC ENVIRONMENTAL CONSULTING**  
**CHAIN OF CUSTODY**

**BULK SAMPLING**

PAGE 1 OF 3

EMSL Job #: 031628489

**LAB:**  
 EMSL New York  
 307 West 38th Street  
 New York, NY, 10018  
 212-290-0051

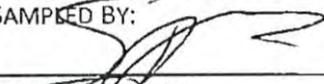
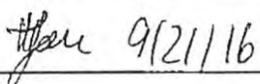
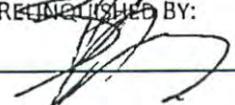
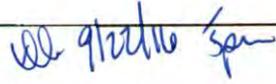
Atlantic Environmental Consulting, 3725 Alpine Drive, Endwell, NY 13760  
 PHONE: 607-239-4311  
 EMAIL: atlanticconsulting@stny.rr.com FAX: 877-237-7258

PROJECT: 218 WEST HENRY STREET, ELMIRA, NY JOB TYPE: NYS Pre-Demo. MANAGER: Matthew Weintraub

ANALYSIS:	TURNAROUND TIME:	COMMENTS:
PLM	8 HR 12 HR 24 HR 48 HR <u>72 HR</u> 96 HR 120 HR	Analyze in order listed; stop analyses at first positive of each homogeneous area (HA).  J 9/22/16
TEM BULK	8 HR 12 HR 24 HR 48 HR <u>72 HR</u> 96 HR 120 HR	
OTHER	8 HR 12 HR 24 HR 48 HR 72 HR 96 HR OTHER	

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
9/17/16	I1716-301	2FL	Kitchen	Green vinyl flooring	A
9/17/16	I1716-302	2FL	Kitchen	Green vinyl flooring	A
9/17/16	I1716-303	2FL	Bath	White vinyl flooring	B
9/17/16	I1716-304	2FL	Bath	White vinyl flooring	B
9/17/16	I1716-305	2FL	Front	Textured paint	C
9/17/16	I1716-306	2FL	Front	Textured paint	C
9/17/16	I1716-307	2FL	Attic stair	Plaster	D
9/17/16	I1716-308	2FL	Attic stair	Plaster	D
9/17/16	I1716-309	1FL	LR	Plaster	D
9/17/16	I1716-310	1FL	LR	Plaster	D
9/17/16	I1716-311	1FL	LR	Plaster	D
9/17/16	I1716-312	1FL	Kitchen	Green vinyl flooring	E
9/17/16	I1716-313	1FL	Kitchen	Green vinyl flooring	E
9/17/16	I1716-314	1FL	Rear hall	Wallpaper	F
9/17/16	I1716-315	1FL	Rear hall	Wallpaper	F
9/17/16	I1716-316	1FL	LR	1.5x1.5 ceiling tile	G
9/17/16	I1716-317	1FL	LR	1.5x1.5 ceiling tile	G
9/17/16	I1716-318	1FL	LR	2x4 ceiling tile (new)	H
9/17/16	I1716-319	1FL	LR	2x4 ceiling tile (new)	H
9/17/16	I1716-320	1FL	LR	2x4 ceiling tile (old)	I
9/17/16	I1716-321	1FL	LR	2x4 ceiling tile (old)	I
9/17/16	I1716-322	1FL	LR	Drywall	J
9/17/16	I1716-323	1FL	LR	Joint compound	J
9/17/16	I1716-324	1FL	LR	Drywall	J
9/17/16	I1716-325	1FL	LR	Joint compound	J
9/17/16	I1716-326	Basement	Wall	Parging	K
9/17/16	I1716-327	Basement	Wall	Parging	K
9/17/16	I1716-328	Basement	Chimney	Flue cement	L

16 SEP 21 11:03 AM  
 EMSL RECEIVED

SAMPLED BY: 	DATE: 9/17/16	RECEIVED BY: 	DATE: 9/21/16 11:03 AM
REINVESTIGATED BY: 	DATE: 9/20/16	RECEIVED IN LAB BY: 	DATE:

<p><b>ATLANTIC ENVIRONMENTAL CONSULTING</b>  <b>CHAIN OF CUSTODY</b>  <b>BULK SAMPLING</b></p> <p>PAGE <u>2</u> OF <u>3</u></p>	<p style="text-align: right;"><b>LAB:</b>                  EMSL New York                  307 West 38th Street                  New York, NY, 10018                  212-290-0051</p>
EMSL Job #: <span style="font-size: 2em; font-family: cursive;">031628489</span>	

Atlantic Environmental Consulting, 3725 Alpine Drive, Endwell, NY 13760      EMAIL: atlanticconsulting@stny.rr.com	PHONE: 607-239-4311 FAX: 877-237-7258
---	--

<b>PROJECT: 218 WEST HENRY STREET, ELMIRA, NY</b>	<b>JOB TYPE:</b> NYS Pre-Demo.	<b>MANAGER:</b> Matthew Weintraub
---	-----------------------------------	--------------------------------------

<b>ANALYSIS:</b>	<b>TURNAROUND TIME:</b>	<b>COMMENTS:</b>
PLM	8 HR 12 HR 24 HR 48 HR <u>72 HR</u> 96 HR 120 HR	Analyze in order listed; stop analyses at first positive of each homogeneous area (HA).  <span style="font-size: 2em; font-family: cursive;">9/22/16</span>
TEM BULK	8 HR 12 HR 24 HR 48 HR <u>72 HR</u> 96 HR 120 HR	
OTHER	8 HR 12 HR 24 HR 48 HR 72 HR 96 HR OTHER	

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
9/17/16	I1716-329	Basement	Chimney	Flue cement	L
9/17/16	I1716-330	Basement	Pipes	Air-cell pipe insulation	M
9/17/16	I1716-331	Basement	Pipes	Air-cell pipe insulation	M
9/17/16	I1716-332	Exterior	Walls	Cementitious (Transite) siding	N
9/17/16	I1716-333	Exterior	Walls	Cementitious (Transite) siding	N
9/17/16	I1716-334	Exterior	2FL R window	Glazing compound	O
9/17/16	I1716-335	Exterior	2FL window	Glazing compound	O
9/17/16	I1716-336	Exterior	2FL window	Glazing compound	O
9/17/16	I1716-337	Exterior	Foundation wall	Cementitious parging	P
9/17/16	I1716-338	Exterior	Foundation wall	Cementitious parging	P
9/17/16	I1716-339	Exterior	Windows	Caulk	Q
9/17/16	I1716-340	Exterior	Walls	Fiberboard	R
9/17/16	I1716-341	Exterior	Walls	Fiberboard	R
9/17/16	I1716-342	Exterior	Rear walls	Asphaltic felt	S
9/17/16	I1716-343	Exterior	Rear walls	Asphaltic felt	S
9/17/16	I1716-344	Exterior	Rear wing	Asphaltic flashing cement at base	T
9/17/16	I1716-345	Exterior	Rear wing	Asphaltic flashing cement at base	T
9/17/16	I1716-346	Roof	Rear wing	Asphaltic roofing (bottom)	U
9/17/16	I1716-347	Roof	Rear wing	Asphaltic roofing (bottom)	U
9/17/16	I1716-348	Roof	Front porch	Bituminous roll roofing	V
9/17/16	I1716-349	Roof	Front porch	Bituminous roll roofing	V
9/17/16	I1716-350	Roof	R metal roofs	Silver asphaltic coating	W
9/17/16	I1716-351	Roof	R metal roofs	Silver asphaltic coating	W
9/17/16	I1716-352	Roof	Main	Asphaltic shingle (bottom)	X
9/17/16	I1716-353	Roof	Main	Asphaltic shingle (bottom)	X
9/17/16	I1716-354	Roof	Main	Asphaltic shingle (mid)	X
9/17/16	I1716-355	Roof	Main	Asphaltic shingle (mid)	X
9/17/16	I1716-356	Roof	Main	Asphaltic shingle (top)	X

16 SEP 21 11:03 AM  
 RECEIVED  
 EMSL  
 RECEIVED  
 T/M/LAC

SAMPLED BY: <span style="font-size: 2em; font-family: cursive;">[Signature]</span>	DATE: <u>9/17/16</u>	RECEIVED BY: <span style="font-size: 2em; font-family: cursive;">[Signature]</span>	DATE: <u>9/21/16 11:03 AM</u>
RELINQUISHED BY: <span style="font-size: 2em; font-family: cursive;">[Signature]</span>	DATE: <u>9/20/16</u>	RECEIVED IN LAB BY: <span style="font-size: 2em; font-family: cursive;">[Signature]</span>	DATE: <u>9/22/16</u>

**ATLANTIC ENVIRONMENTAL CONSULTING  
 CHAIN OF CUSTODY**

**BULK SAMPLING**

PAGE 3 OF 3

EMSL Job #:

031628489

**LAB:**  
 EMSL New York  
 307 West 38th Street  
 New York, NY, 10018  
 212-290-0051

Atlantic Environmental Consulting, 3725 Alpine Drive,  
 Endwell, NY 13760 EMAIL: atlanticconsulting@stny.rr.com

PHONE: 607-239-4311  
 FAX: 877-237-7258

PROJECT: 218 WEST HENRY STREET, ELMIRA, NY JOB TYPE:  
 NYS Pre-Demo.

MANAGER:  
 Matthew Weintraub

ANALYSIS:	TURNAROUND TIME						
PLM	8 HR	12 HR	24 HR	48 HR	<u>72 HR</u>	96 HR	120 HR
TEM BULK	8 HR	12 HR	24 HR	48 HR	<u>72 HR</u>	96 HR	120 HR
OTHER	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	OTHER

COMMENTS:  
 Analyze in order listed; stop analyses at first  
 positive of each homogeneous area (HA).

*J: 9/22/14*

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
9/17/16	I1716-357	Roof	Main	Asphaltic shingle (top)	X
9/17/16	I1716-358	Roof	Front porch	Asphaltic flashing cement	Y
9/17/16	I1716-359	Roof	R side	Asphaltic flashing cement	Y
9/17/16	I1716-360	Roof	R side	Asphaltic flashing cement	Y
9/17/16	I1716-361	Barn	Walls	Cementitious (Transite) siding	Z
9/17/16	I1716-362	Barn	Walls	Cementitious (Transite) siding	Z
9/17/16	I1716-363	Barn	Walls	Asphaltic felt underlayment	AA
9/17/16	I1716-364	Barn	Walls	Asphaltic felt underlayment	AA
9/17/16	I1716-365	Barn	Windows	Glazing compound	BB
9/17/16	I1716-366	Barn	Windows	Glazing compound	BB
9/17/16	I1716-367	Barn	Porch	Asphaltic felt	CC
9/17/16	I1716-368	Barn	Porch	Asphaltic felt	CC
9/17/16	I1716-369	Barn	Porch	Asphaltic shingle	CC
9/17/16	I1716-370	Barn	Porch	Asphaltic shingle	CC
9/17/16	I1716-371	Barn	Main roof	Asphaltic shingle (bottom)	DD
9/17/16	I1716-372	Barn	Main roof	Asphaltic shingle (bottom)	DD
9/17/16	I1716-373	Barn	Main roof	Asphaltic shingle (mid)	DD
9/17/16	I1716-374	Barn	Main roof	Asphaltic shingle (mid)	DD
9/17/16	I1716-375	Barn	Main roof	Asphaltic shingle (top)	DD
9/17/16	I1716-376	Barn	Main roof	Asphaltic shingle (top)	DD

16 SEP 21 AM 11:03  
 RECEIVED  
 EMSL NEW YORK LAB

SAMPLED BY: *[Signature]* DATE: 9/17/16

RECEIVED BY: *[Signature]* DATE: 9/21/16 11:03 AM

RELINQUISHED BY: *[Signature]* DATE: 9/20/16

RECEIVED IN LAB BY: *[Signature]* DATE: 9/22

# Appendix B - Inspector & Laboratory Accreditation

**New York State – Department of Labor**  
Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

Atlantic Environmental Consulting, LLC  
3725 Alpine Drive  
Endwall, NY 13760

FILE NUMBER: 07-30731  
LICENSE NUMBER: 30731  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 05/26/2016  
EXPIRATION DATE: 05/31/2017

Duty Authorized Representative – Lynette M. Weintraub

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

*Eileen M. Franko*

Eileen M. Franko, Director  
For the Commissioner of Labor

SH 432 (8/12)

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



**MATTHEW C WEINTRAUB**  
CLASS(EXPIRES)  
C ATEC(05/17) D INSP(05/17)  
H PM (05/17) I PD (05/17)

CERT# 93-10084  
DMV# 268297485

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



**STEPHEN P MAJOR**  
CLASS(EXPIRES)  
D INSP(03/17)

CERT# 03-01809  
DMV# 709155394

MUST BE CARRIED ON ASBESTOS PROJECTS

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017  
Issued April 01, 2016

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. JAMES HALL  
EMSL ANALYTICAL, INC  
307 WEST 38TH STREET  
NEW YORK, NY 10018

NY Lab Id No: 11506

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B
<b>Sample Preparation Methods</b>	EPA 3050B

NEW YORK STATE Department of Health

Serial No.: 54297

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

## Appendix C

### Glossary of Terms, Abbreviations, And Acronyms

<b>12 NYCRR Part 56</b>	A part of the Codes, Rules, and Regulations of New York State intended to control asbestos removal and disturbance activities. Commonly referred to as “Code Rule 56.”
<b>12x12</b>	In inches, a size description of floor tile; width x length.
<b>1x1</b>	In feet, a size description of ceiling tile; width x length.
<b>2x2</b>	In feet, a size description of ceiling tile; width x length.
<b>2x4</b>	In feet, a size description of ceiling tile; width x length.
<b>9x9</b>	In inches, a size description of floor tile; width x length.
<b>ACM</b>	Asbestos-containing material.
<b>Air-Cell</b>	Thermal pipe insulation comprised of corrugated layers which form air spaces.
<b>Asbestos</b>	Any of several naturally-occurring amphibole and serpentine minerals which separate into long threadlike fibers.
<b>Asphaltic</b>	Having an asphalt or tar-like matrix, as in a typical roof shingle.
<b>BR</b>	Bedroom
<b>BUR</b>	Built-up roofing; typically layers of asphaltic felt bonded and sealed with tar or pitch.
<b>Ceil</b>	Ceiling
<b>Cementitious</b>	Having a lime-cement matrix; such materials are typically hard and rigid.
<b>Code Rule 56</b>	A part of the Codes, Rules, and Regulations of New York State intended to control asbestos removal and disturbance activities. Technically referred to as “12 NYCRR Part 56.”
<b>CT</b>	Ceiling tile.
<b>DR</b>	Dining room.
<b>Drywall</b>	A gypsum-based sheet with heavy paper facings, used as a wall and ceiling finish, fire stopping, and sound-deadening.
<b>E</b>	East on the compass.
<b>ELAP</b>	Environmental Laboratory Approval Program, administered by the New York State Department of Health.
<b>Felt</b>	Any of a variety of thick papers and fabrics that are formed by pressing fibers into place, rather than weaving.
<b>Friable</b>	Able to be crushed or pulverized by hand pressure.
<b>Glazing Compound</b>	A putty or caulk used to set and seal glass in a window frame.
<b>HVAC</b>	Heating, ventilation, and air conditioning.
<b>Joint Compound</b>	A gypsum or lime based plaster-like material used to conceal and finish joints in drywall.
<b>Kit</b>	Kitchen.
<b>Lagging</b>	Thermal insulation typically installed on a boiler or tank.
<b>l.f.</b>	Linear feet; a unit of measure typically used to quantify the length of pipe insulation.
<b>Limited</b>	For asbestos surveys, the term “limited” acknowledges the fact that all possible suspect materials may not be observed. Some materials can be concealed within inaccessible areas or cannot be reached due to safety concerns. Also, a client may request a survey with limits.

<b>LR</b>	Living room.
<b>Masonry</b>	Structures comprised of concrete, brick, concrete block, or similar materials.
<b>N</b>	North on the compass.
<b>NACM</b>	Non-asbestos containing material. Contains less than 1% asbestos by laboratory analysis.
<b>NAD</b>	No asbestos detected (by laboratory analysis).
<b>NE</b>	Northeast on the compass.
<b>NOB</b>	Non-friable organically bound. NOBs have an organic matrix (tar, asphalt, plastic, etc.) that generally binds other constituents (fibers, powders) together. Examples are asphaltic roofing and resilient flooring.
<b>Non-Friable</b>	Not able to be crushed or pulverized by normal hand pressure.
<b>NW</b>	Northwest on the compass.
<b>NYSDEL</b>	New York State Department of Labor
<b>PACM</b>	Presumed asbestos-containing material.
<b>PLM</b>	Polarized light microscopy; a laboratory analytical method for identifying asbestos.
<b>Pre-Demolition</b>	Referring to an activity, such as a survey or inspection, conducted prior to the disturbance or demolition of a building or portion of a building.
<b>Resilient</b>	Somewhat flexible or plastic; able to be slightly bent or flexed without breaking.
<b>Roll</b>	Asphaltic rolled roofing.
<b>S</b>	South on the compass.
<b>SE</b>	Southeast on the compass.
<b>s.f.</b>	Square feet; a unit of area measure typically used to quantify surfacing materials, roofing, drywall, etc.
<b>Shingle</b>	A tile (of wood, asphalt, etc.) that is installed in overlapping fashion as a covering on roofs and walls.
<b>Subject Property</b>	The building or buildings that are within the work scope of an asbestos survey.
<b>Survey</b>	An inspection and sampling of a building, structure, debris pile, etc., for suspect asbestos-containing materials.
<b>Suspect Material</b>	A material which may contain asbestos.
<b>SW</b>	Southwest on the compass.
<b>TEM</b>	Transmission electron microscopy; a laboratory analytical method for identifying asbestos.
<b>Transite</b>	A brand of cementitious board or pipe. Older Transite typically contains asbestos.
<b>TSI</b>	Thermal system insulation.
<b>Util</b>	Utility.
<b>VAT</b>	Vinyl asbestos tile (floor).
<b>VCT</b>	Vinyl composition tile (floor).
<b>W</b>	West on the compass.